

**M8 male 0° A-cod. with cable**

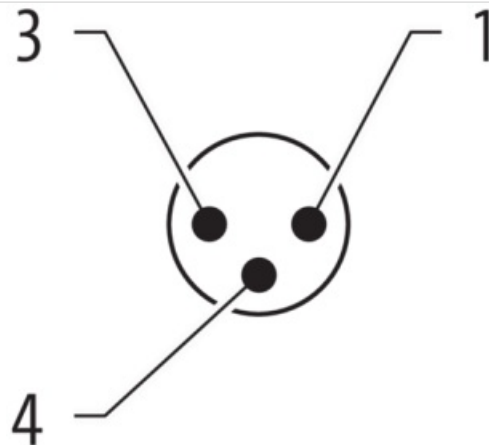
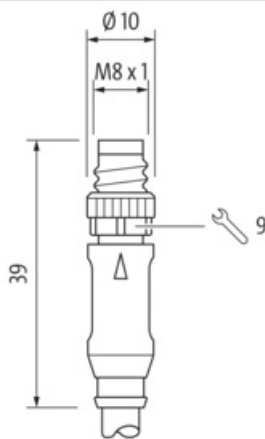
PVC 3x0.25 gy UL/CSA 15m

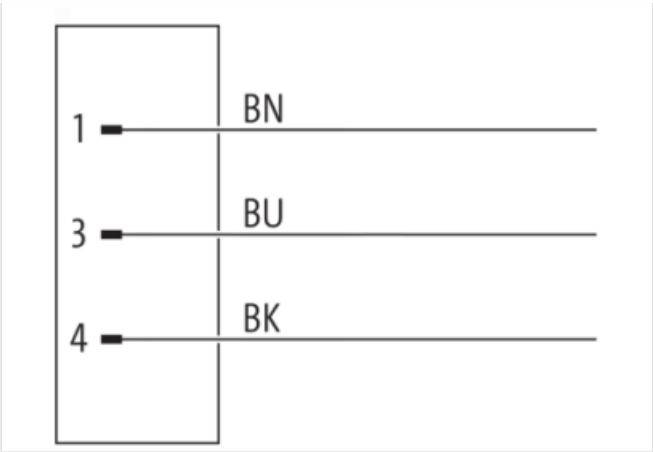
Art.No.: 7000-08001-2101500

Weight: 0.416

Country of origin: US

Model designation: MSHL0-R210\_15.0

**[Link to Product](#)****Illustration**



Product may differ from Image



| Side 1                                    |   |
|---|---|
| Family construction form                  | M8  |
| No. of poles                              | 3   |
| Coding                                    | A   |
| Gender                                    | male  |
| Mounting method                           | inserted, screwed   |
| Thread                                    | M8 x 1  |
| Tightening torque                         | 0.4 Nm  |
| Width across flats                        | SW9   |
| Cable outlet                              | straight  |
| suitable for corrugated tube (internal Ø) | 6.5 mm  |
| Material                                  | PUR   |
| Material contact                          | Copper alloy  |
| Coating contact                           | gold plated   |
| Degree of protection (EN IEC 60529)       | IP67, IP66K, IP65   |
| Side 2                                    |   |
| Family construction form                  | free cable end  |
| Stripping length (jacket)                 | 20 mm   |
| Commercial data                           |   |
| URL Webshop                               | <a href="https://shop.murrelektronik.com/7000-08001-2101500">https://shop.murrelektronik.com/7000-08001-2101500</a> |
| GTIN                                      | 4048879233965   |
| ECLASS-6.0                                | 27279218  |
| ECLASS-6.1                                | 27279218  |
| ECLASS-7.0                                | 27279218  |
| ECLASS-7.1                                | 27279218  |
| ECLASS-8.0                                | 27279218  |
| ECLASS-8.1                                | 27279218  |
| ECLASS-9.0                                | 27060311  |
| ECLASS-9.1                                | 27060311  |
| ECLASS-10.0.1                             | 27060311  |
| ECLASS-10.1                               | 27060311  |
| ECLASS-11.0                               | 27060311  |
| ECLASS-11.1                               | 27060311  |

|             |               |
|-------------|---------------|
| ECLASS-12.0 | 27060311      |
| ECLASS-13.0 | 27060311      |
| ECLASS-14.0 | 27060311      |
| ETIM-5.0    | EC001855      |
| ETIM-6.0    | EC001855      |
| ETIM-7.0    | EC001855      |
| ETIM-8.0    | EC001855      |
| EAN         | 4048879233965 |

#### Electrical data | Supply

|                                    |      |
|------------------------------------|------|
| Operating voltage AC max.          | 50 V |
| Operating voltage DC max.          | 60 V |
| Current operating per contact max. | 4 A  |

#### Diagnostics

|                       |    |
|-----------------------|----|
| Status indication LED | no |
|-----------------------|----|

#### Installation | Connection

|              |        |
|--------------|--------|
| Mounting set | M8 x 1 |
|--------------|--------|

#### Device protection | Electrical

|  |                   |
|--|-------------------|
| Degree of protection (EN IEC 60529)    | IP67, IP66K, IP65 |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree                       | 3                 |
| Rated surge voltage                    | 1.5 kV            |
| Material group (IEC 60664-1)           | I                 |

#### Mechanical data | Material data

|                           |                  |
|---------------------------|------------------|
| Material screw connection | Brass            |
| Coating of fitting        | nickel plated    |
| Locking material          | Zinc die-casting |
| Coating locking           | Nickeled         |

#### Mechanical data | Mounting data

|                 |                                       |
|-----------------|---------------------------------------|
| Mounting method | inserted, screwed, Shaking protection |
|-----------------|---------------------------------------|

#### Environmental characteristics | Climatic

|  |                            |
|--|----------------------------|
| Operating temperature min.             | -25 °C                     |
| Operating temperature max.             | 85 °C                      |
| Additional condition temperature range | depending on cable quality |

#### Important installation notes

|                        |   |
|------------------------|---|
| Note on bending radius | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| Note on strain relief  | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   |

#### Conformity

|                  |                         |
|------------------|-------------------------|
| Product standard | DIN EN 61076-2-104 (M8) |
|------------------|-------------------------|

#### Installation | Cable

|  |                    |
|--|--------------------|
| Cable identification                     | 210                |
| Cable Type                               | 1                  |
| Amount stranding                         | 1                  |
| Stranding                                | Wires              |
| Wire arrangement                         | brown, black, blue |
| Cable weight                             | 29.37 g/m          |
| Material wire insulation                 | PVC                |
| Amount wires                             | 3                  |
| Outer diameter insulation                | 1.25 mm            |
| Outer diameter tolerance core insulation | ± 0.05 mm          |

|                                      |  |
|--------------------------------------|--|
| Shore hardness wire insulation       | 45   |
| Material properties wire insulation  | good machinability                               |
| Ingredient freeness wire insulation  | CFC-free, cadmium-free, silicone-free, lead-free |
| Amount strands (wire)                | 14   |
| Diameter of single wires             | 0.15 mm  |
| Conductor crosssection (wire)        | 0.25 mm <sup>2</sup>                             |
| Material conductor wire              | Stranded copper wire, bare                       |
| Conductor type (wire)                | Strand class 5                                   |
| Outer-diameter (jacket)              | 4.5 mm   |
| Tolerance outer diameter (sheath)    | ± 5 %  |
| Material jacket                      | PVC  |
| Shore hardness jacket                | 85   |
| Freedom from ingredients (jacket)    | CFC-free, cadmium-free, silicone-free, lead-free |
| Material property (jacket)           | good machinability                               |
| Conductor resistance (wire)          | 79 Ω/km @ 20 °C                                  |
| Nominal voltage AC max.              | 300 V  |
| Withstand voltage (wire - wire)      | 2 kV @ 60 s                                      |
| Withstand voltage (wire - jacket)    | 2 kV @ 60 s                                      |
| Current load capacity (standard)     | to DIN VDE 0298-4                                |
| Current load capacity min. wire      | 4.5 A  |
| Min. operating temperature (static)  | -30 °C   |
| Max. operating temperature (fixed)   | 80 °C  |
| Operating temperature min. (dynamic) | -5 °C  |
| Operating temperature max. (dynamic) | 80 °C  |
| Flame resistance                     | UL 1581 § 1080, CSA FT1, IEC 60332-1-2           |
| Oil resistance                       | good   |
| Chemical resistance                  | good   |
| Other resistances                    | good resistance to gasoline                      |
| Bending radius (fixed)               | 5 × Outer diameter                               |
| Bending radius (dynamic)             | 10 × Outer diameter                              |